#### EXPRESS MAIL NO. EV853145825US

PTO-1390 (Rev. 07-2005) Approved for use through 03/31/2007. OMB 0651-0021

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER 385478008US2

known see 87 CFR 1.5) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/US2004/033383 08 October 2004 (08.10.2004) 09 October 2003 (09.10.2003) TITLE OF INVENTION SYSTEM AND METHOD FOR CHARACTERIZING A SAMPLE BY LOW-FREQUENCY SPECTRA APPLICANT(S) FOR DO/EO/US Butters et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. X The US has been elected (Article 31). 5. X A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). b. have been communicated by the International Bureau. C. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. X A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. 16. A power of attorney and/or change of address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

## IAPORESTATION O 7 APR 2008

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U.S. APPLICATI	nO. g/	57	5182	INTERNATIONAL APPL	LICATI	ON NO. 4/033383	1	EY'S DOO	CKET N	
20. X Other items or information: Return Receipt Postcard Check										
The following fees have been submitted							CALCI	JLATION	90	PTO USEONLY
21. x Basic national fee (37 CFR 1.492(a))						\$	300.0		FIO OSEONET	
22. x Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  All other situations \$200						\$	200.0			
23. X Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100  International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB. \$400  All other situations \$500						\$	100.0	00		
			and 23 =				\$	600.0	00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.										
Total Sheets	Extra SI	neets	Number of each thereof (round							
87 -100=	0	/50 =	0 x \$250.00				\$			
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).						\$	130.0	00		
CLAIMS NUMBER FILED				NUMBER EXTRA	<u> </u>	RATE		_		
		0 - 20 =	0	×	50.00					
	Independent claims 3 - 3 =		00	X	200.00					
MULTIPLE DEPENDENT CLAIM(S) (if applicable) +										
TOTAL OF ABOVE CALCULATIONS							\$ 730.00			
X Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						luced by 1/2.	365.00			
SUBTOTAL						SUBTOTAL =	\$ 365.00			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					\$					
TOTAL NATIONAL FEE						\$ 365.00				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +					\$					
						\$				
TOTAL FEES ENCLOSED =						\$ 365.00				
1					Amount to be refunded: \$					
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Application	No.	(if known	): Not	Yet	Assigned
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Attorney Docket No.: 385478008US2

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